

File 16:Gale Group PROMT(R) 1990-2000/Mar 27

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File 160:Gale Group PROMT(R) 1972-1989

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File 47:Gale Group Magazine DB(TM) 1959-2000/Mar 27

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File 80:TGG Aerospace/Def.Mkts(R) 1986-2000/Mar 27

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File 111:TGG Natl.Newspaper Index(SM) 1979-2000/Mar 27

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File 148:Gale Group Trade & Industry DB 1976-2000/Mar 27

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File 275:Gale Group Computer DB(TM) 1983-2000/Mar 27

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File 621:Gale Group New Prod.Annou.(R) 1985-2000/Mar 27

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File 636:Gale Group Newsletter DB(TM) 1987-2000/Mar 27

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SL.N # 09/067,599

STIC-Search 3/26/2000

Set	Items	Description
S1	4410291	COMMUNICATION? OR TELECOMMUNICATION?
S2	3415454	NETWORK? OR LAN OR WAN OR (LOCAL OR WIDE)()AREA()NETWORK?
S3	3976342	STATION? ? OR HOST? ? OR PC OR PERSONAL(3N)COMPUTER? OR SE- RVER? ? OR DEVICE? ?
S4	7036	(WAKE()UP OR AWAKENED OR ACTIVAT? OR START OR TURN()ON) (3N-) SIGNAL?
S5	450821	PATTERN?
S6	68726	S5(S) (MATCH? OR CORRELAT? OR CORRESPOND? OR EQUAL OR SIMIL- AR OR COMPAR?)
S7	238054	MASK? OR HIDE OR CONCEAL? OR CLOAK? OR CAMOUFLAGE OR DISGU- IS?
S8	8273306	FRAGMENT? ? OR PART? ? OR PIECE? ? OR SECTION? ? OR BLOCK? ? OR UNIT? ? OR PORTION? OR COMPONENT? ?
S9	1221752	LOGIC OR WORD? ? OR BITS OR NIBBLE
S10	304574	RAM OR RANDOM()ACCESS()MEMORY
S11	16	S1(S)S2(S)S3(S)S4
S12	1	S6(S)S7(S)S8(S)S9(S)S10
S13	0	S11(S)S12
S14	11	RD S11 (unique items)
S15	277	S1(S)S4
S16	21420	S9(S)S10
S17	1	S15(S)S16
S18	0	S15(S)S5(S)S7
S19	63	S15(S)S8
S20	5	S19(S)S9
S21	4	S20 NOT (S11 OR S12 OR S14 OR S17)
S22	3	RD S21 (unique items)

Set	Items	Description
S1	91638	COMMUNICATION? OR TELECOMMUNICATION?
S2	49476	NETWORK? OR LAN OR WAN OR (LOCAL OR WIDE) () AREA () NETWORK?
S3	371403	STATION? ? OR HOST? ? OR PC OR PERSONAL (3N) COMPUTER? OR SE- RVER? ? OR DEVICE? ?
S4	13702	(WAKE () UP OR AWAKENED OR ACTIVAT? OR START OR TURN () ON) (3N-) SIGNAL? OR POWER () MANAGEMENT
S5	93600	PATTERN?
S6	39591	S5 (S) (MATCH? OR CORRELAT? OR CORRESPOND? OR EQUAL OR SIMIL- AR OR COMPAR?)
S7	41353	MASK? OR HIDE OR CONCEAL? OR CLOAK? OR CAMOUFLAGE OR DISGU- IS?
S8	120597	LOGIC OR WORD? ? OR BITS OR NIBBLE
S9	33725	RAM OR RANDOM () ACCESS () MEMORY
S10	33634	(S5 OR S8) (3N) (FRAGMENT? ? OR PART? ? OR PIECE? ? OR SECTI- ON? ? OR BLOCK? ? OR UNIT? ? OR PORTION? OR COMPONENT? ?)
S11	71	S1 (S) S2 (S) S3 (S) S4
S12	6	S11 (S) S10
S13	7	S11 (S) S9
S14	4	S13 NOT S12
S15	0	S1 (5N) S4 (5N) S3 (10N) S10 (10N) S7
S16	459	POWER () MANAGEMENT
S17	11	S16 (5N) NETWORK?
S18	7833	S3 (5N) (WAKE () UP OR AWAKENED OR ACTIVAT?)
S19	88	S18 (5N) S2
S20	0	S19 (5N) S6
S21	2	S19 (5N) S8

File 2:INSPEC 1969-2000/Feb W2
(c) 2000 Institution of Electrical Engineers
File 6:NTIS 64-2000/Apr W3
Comp&distr 1998 NTIS, Intl Copyright All Righ
File 8:Ei Compendex(R) 1970-2000/Feb W4
(c) 2000 Engineering Info. Inc.
File 34:SciSearch(R) Cited Ref Sci 1990-2000/Mar W3
(c) 2000 Inst for Sci Info
File 35:DISSERTATION ABSTRACTS ONLINE 1861-1999/DEC
(c) 2000 UMI
File 65:Inside Conferences 1993-2000/Aug W2
(c) 2000 BLDSC all rts. reserv.
File 77:Conference Papers Index 1973-2000/Mar
(c) 2000 Cambridge Sci Abs
File 94:JICST-EPlus 1985-2000/Dec W1
(c)2000 Japan Science and Tech Corp(JST)
File 99:Wilson Appl. Sci & Tech Abs 1983-2000/Jan
(c) 2000 The HW Wilson Co.
File 144:Pascal 1973-2000/Feb
(c) 2000 INIST/CNRS
File 238:Abs. in New Tech & Eng. 1981-2000/Mar
(c) 2000 Reed-Elsevier (UK) Ltd.
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 1998 Inst for Sci Info

Set	Items	Description
S1	77	(PCI OR PERIPHERAL()COMPONENT()INTERCONNECT)()CARD?
S2	85532	(COMMUNICATIONS OR TELECOMMUNICATION?) (3N) (NETWORK? OR LAN OR WAN OR (LOCAL OR WIDE)()AREA()NETWORK)
S3	1965274	STATIONS OR HOSTS OR PC OR PERSONAL(3N)COMPUTER? OR SERVER? ? OR DEVICE? ?
S4	27112	(WAKE()UP OR AWAKENED OR ACTIVAT? OR START OR TURN()ON) (3N-) SIGNAL?
S5	8313788	MATCH? OR CORRELAT? OR CORRESPOND? OR EQUAL OR SIMILAR OR - COMPAR?
S6	1432315	PATTERN?
S7	135914	MASK? OR HIDE OR CONCEAL? OR CLOAK? OR CAMOUFLAGE OR DISGU- IS?
S8	5831490	FRAGMENT? ? OR PART? ? OR PIECE? ? OR SECTION? ? OR BLOCK? ? OR UNIT? ? OR PORTION? OR COMPONENT? ?
S9	517033	LOGIC OR WORD? ? OR BITS OR NIBBLE
S10	44231	RAM OR RANDOM()ACCESS()MEMORY
S11	0	S2 AND S4 AND S3
S12	3147	S5 AND S6 AND S8 AND S9
S13	9	S2 AND S4
S14	527	S3 AND S4
S15	0	S12 AND (S13 OR S14)
S16	9	RD S13 (unique items)
S17	6	S12 AND S2
S18	6	RD S17 (unique items)

File 344:Chinese Patents ABS Apr 1985-2000/Jan

(c) 2000 European Patent Office

File 347:JAPIO Oct 1976-1999/Oct(UPDATED 000208)

(c) 2000 JPO & JAPIO

File 351:DERWENT WPI 1963-2000/UD=, UM=, & UP=200012

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Set	Items	Description
S1	1033804	COMMUNICATION? OR TELECOMMUNICATION?
S2	178609	NETWORK? OR LAN OR WAN OR (LOCAL OR WIDE) ()AREA ()NETWORK?
S3	3698939	STATION? ? OR HOST? ? OR PC OR PERSONAL (3N)COMPUTER? OR SE- RVER? ? OR DEVICE? ?
S4	33910	(WAKE ()UP OR AWAKENED OR ACTIVAT? OR START OR TURN ()ON) (3N-)SIGNAL?
S5	500195	PATTERN?
S6	111581	S5 AND (MATCH? OR CORRELAT? OR CORRESPOND? OR EQUAL OR SIM- ILAR OR COMPAR?)
S7	182781	MASK? OR HIDE OR CONCEAL? OR CLOAK? OR CAMOUFLAGE OR DISGU- IS?
S8	7153201	FRAGMENT? ? OR PART? ? OR PIECE? ? OR SECTION? ? OR BLOCK? ? OR UNIT? ? OR PORTION? OR COMPONENT? ?
S9	289702	LOGIC OR WORD? ? OR BITS OR NIBBLE
S10	93060	RAM OR RANDOM ()ACCESS ()MEMORY
S11	284	S1 AND S2 AND S3 AND S4
S12	16	S6 AND S7 AND S8 AND S9 AND S10
S13	0	S11 AND S12
S14	2	S11 AND S6
S15	0	S11 AND S5 AND S7
S16	13	S11 AND S8 AND S9
S17	0	S16 AND S10
S18	16	S12 NOT (S14 OR S16)
S19	1	S18 AND S1
S20	15	S18 NOT S19

File 9:Business & Industry(R) Jul/1994-2000/Mar 27
(c) 2000 Resp. DB Svcs.
File 15:ABI/INFORM(R) 1971-2000/Mar 24
(c) 2000 Bell & Howell
File 484:Periodical Abstracts Plustext 1986-2000/Jan W2
(c) 2000 Bell & Howell
File 553:Wilson Bus. Abs. FullText 1982-1999/Sep
(c) 1999 The HW Wilson Co
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2000/Mar 23
(c) 2000 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2000/Mar 23
(c) 2000 San Jose Mercury News
File 635:Business Dateline(R) 1985-2000/Mar 24
(c) 2000 Bell & Howell
File 647:CMP Computer Fulltext 1988-2000/Mar W3
(c) 2000 CMP
File 674:Computer News Fulltext 1989-2000/Feb W4
(c) 2000 IDG Communications
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire

Set	Items	Description
S1	1651576	COMMUNICATION? OR TELECOMMUNICATION?
S2	1578111	NETWORK? OR LAN OR WAN OR (LOCAL OR WIDE) ()AREA()NETWORK?
S3	1884057	STATION? ? OR HOST? ? OR PC OR PERSONAL(3N)COMPUTER? OR SE- RVER? ? OR DEVICE? ?
S4	4166	(WAKE()UP OR AWAKENED OR ACTIVAT? OR START OR TURN()ON) (3N-)SIGNAL?
S5	344428	PATTERN?
S6	64869	S5(S) (MATCH? OR CORRELAT? OR CORRESPOND? OR EQUAL OR SIMIL- AR OR COMPAR?)
S7	185595	MASK? OR HIDE OR CONCEAL? OR CLOAK? OR CAMOUFLAGE OR DISGU- IS?
S8	4692593	FRAGMENT? ? OR PART? ? OR PIECE? ? OR SECTION? ? OR BLOCK? ? OR UNIT? ? OR PORTION? OR COMPONENT? ?
S9	821190	LOGIC OR WORD? ? OR BITS OR NIBBLE
S10	88544	RAM OR RANDOM()ACCESS()MEMORY
S11	9	S1(S)S2(S)S3(S)S4
S12	1	S6(S)S7(S)S8(S)S9(S)S10
S13	0	S11(S)S12
S14	8	RD S11 (unique items)
S15	123	S1(S)S4
S16	4863	S9(S)S10
S17	1	S15(S)S16
S18	0	S15(S)S5(S)S7
S19	27	S15(S)S8
S20	1	S19(S)S9
S21	23	S19 NOT (S14 OR S17 OR S20 OR S12)
S22	18	S21 NOT (PY=>1998 OR PD=>980428)

File 233:Internet & Personal Comp. Abs. 1981-2000/Mar
(c) 2000 Info. Today Inc.
File 256:SoftBase:Reviews,Companies&Prods. 85-2000/Feb
(c)2000 Info.Sources Inc
File 278:Microcomputer Software Guide 2000/Feb
(c) 2000 Reed Elsevier Inc.

Set	Items	Description
S1	39321	COMMUNICATION? OR TELECOMMUNICATION?
S2	86552	NETWORK? OR LAN OR WAN OR (LOCAL OR WIDE) ()AREA()NETWORK?
S3	138630	STATIONS OR HOSTS OR PC OR PERSONAL(3N)COMPUTER? OR SERVER? ? OR DEVICE? ?
S4	14	(WAKE()UP OR AWAKENED OR ACTIVAT? OR START OR TURN()ON) (3N-)SIGNAL?
S5	3314	PATTERN?
S6	38055	MATCH? OR CORRELAT? OR CORRESPOND? OR EQUAL OR SIMILAR OR - COMPAR?
S7	1677	MASK? OR HIDE OR CONCEAL? OR CLOAK? OR CAMOUFLAGE OR DISGU- IS?
S8	60184	FRAGMENT? ? OR PART? ? OR PIECE? ? OR SECTION? ? OR BLOCK? ? OR UNIT? ? OR PORTION? OR COMPONENT? ?
S9	28708	LOGIC OR WORD? ? OR BITS OR NIBBLE
S10	37664	RAM OR RANDOM()ACCESS()MEMORY
S11	10907	S1 AND S2 AND S3
S12	16	S5 AND S6 AND S7
S13	401	S8 AND S9 AND S10
S14	0	S11 AND S12 AND S13
S15	1	S11 AND S4
S16	13	RD S4 (unique items)
S17	11	S16 NOT (PY=>1998 OR PD=>980428)
S18	3	S11 AND S13
S19	3	S18 NOT S15

Set	Items	Description
S1	110224	COMMUNICATION? OR TELECOMMUNICATION?
S2	90508	NETWORK? OR LAN OR WAN OR (LOCAL OR WIDE) () AREA () NETWORK?
S3	51637	STATION? ? OR HOST? ? OR PC OR PERSONAL(3N)COMPUTER? OR SE- RVER? ? OR DEVICE? ?
S4	110	(WAKE () UP OR AWAKENED OR ACTIVAT? OR START OR TURN () ON) (3N-) SIGNAL? OR POWER () MANAGEMENT
S5	2205	PATTERN?
S6	370	S5(S) (MATCH? OR CORRELAT? OR CORRESPOND? OR EQUAL OR SIMIL- AR OR COMPAR?)
S7	1343	MASK? OR HIDE OR CONCEAL? OR CLOAK? OR CAMOUFLAGE OR DISGU- IS?
S8	85895	FRAGMENT? ? OR PART? ? OR PIECE? ? OR SECTION? ? OR BLOCK? ? OR UNIT? ? OR PORTION? OR COMPONENT? ?
S9	8072	LOGIC OR WORD? ? OR BITS OR NIBBLE
S10	1404	RAM OR RANDOM () ACCESS () MEMORY
S11	5	S1(S) S2(S) S3(S) S4
S12	3	RD S11 (unique items)
S13	0	S6(S) S7(S) S8(S) S9(S) S10
S14	19	S1(S) S4
S15	14	S14 NOT S11
S16	13	RD S15 (unique items)
S17	11	S1(S) S9(S) S10
S18	11	S17 NOT (S16 OR S11)
S19	10	RD S18 (unique items)
S20	97	ON(W) NOW OR RAPID(W) FIRE OR WAKE(W) ON(W) LAN OR MAGIC(W) PAC- KET
S21	54	S20 NOT (PY=>1998 OR PD=>980428)
S22	48	RD S21 (unique items)
S23	0	S22(S) S1
S24	1	S22(S) S3
S25	0	S22(S) POWER () MANAGEMENT
S26	0	S22(S) (MICROSOFT OR OLICOM OR IBM OR ADVANCED () MICRO () DEVI- CES)

DR-LINK	Welcome Pamela Reynolds	Manage Alerts & Requests	View Alerts	New Request
Modify Save Alert	Sort: Rank 1/1 12/31 1/1 12/31 Source Subject	Draw: Graph BarChart	Print Similar Docs	

Results (by Rank) for: I am looking for a power management system, or method for a communications network that wakes up the computers and devices associated with the communications network. The power management system, or method compares and matches the patterns of the network and the stations. The patterns are arranged contiguously on word boundaries. There are ram patterns, masked ram patterns, and pattern match logic. When they match a host computer or server is awakened or turned on from a low power state or off state.

100 documents returned

1.	<u>PERSPECTIVE -- Usable Bandwidth</u>	<input type="checkbox"/>
91%	Unknown • <i>COMMUNICATIONS WEEK</i> • 12/16/91 • 4 pages (760 words) • <u>SUMMARY</u> by:JACK	
2.	<u>Intl.Business Mach - Re US Patents</u>	<input type="checkbox"/>
90%	<i>AFX - Regulatory News Service</i> • 01/12/98 • 5 pages (1220 words) • <u>SUMMARY</u> International Business Machine Corporation 12th January	
3.	<u>MULTITASKING IN MULTISTAGE INTERCONNECTION NETWORK MACHINES</u>	<input type="checkbox"/>
90%	Yu, Chansu Das, Chita R. • <i>THE 12TH INTERNATIONAL CONFERENCE ON DISTRIBUTED COMPUTING SYSTEMS</i> • 6/01/92 • 2 pages (180 words) • <u>SUMMARY</u> This paper addresses task allocation schemes for MIN-based multiprocessors. Conflicts through the	
4.	<u>Rockwell Q3 --2 (Q2 results exclude discontinued auto ops)</u>	<input type="checkbox"/>
90%	<i>AFX-EUROPE</i> • 07/22/97 • 3 pages (590 words) • <u>SUMMARY</u> Rockwell International Corp said its third quarter EPS from continuing operations of 71 cents before an acquisition charge excluded the results of the company's discontinued automotive unit which earned 17 cents per share in the second quarter, compared to 12 a year earlier.	
5.	<u>A PATTERN MATCHING SYSTEM</u>	<input type="checkbox"/>
89%	Sommerville, Ian • <i>Software - Practice and Experience</i> • 6/01/82 • 2 pages (210 words) • <u>SUMMARY</u> This article describes a pattern matching system which has been implemented as a set of library procedures.	
6.	<u>NTT Develops Fingerprint Recognition System</u>	<input type="checkbox"/>
89%	<i>COMLINE - Information Technology & Computers</i> • 08/09/93 • 2 pages (170 words) • <u>SUMMARY</u> NTT Corp. (9432) has developed a rapid and accurate fingerprint recognition	
7.	<u>Other R&D Information: Computerized Yogurt Taste Tester Developed</u>	<input type="checkbox"/>
89%	<i>COMLINE - Consumer News</i> • 01/22/97 • 2 pages (200 words) • <u>SUMMARY</u> Snow Brand Milk Products have developed a "Neural Network" product testing system which will accurately predict the reaction of consumers to experimental yogurt products.	
8.	<u>PREDICTIVE CONTROL OF OPTO-ELECTRONIC RECONFIGURABLE INTERCONNECTION NETWORKS USING NEURAL NETWORKS</u>	<input type="checkbox"/>
89%	CHIARULLI, D. M.; GILES, C. L.; HORNE, B. G.; LEVITAN, S. P.; MAGGINI, M.; SAKR, M.F. • <i>Proceedings of the Second International Conference on Massively</i> • 01/01/95 • 2 pages (240 words) • <u>SUMMARY</u> Opto-electronic reconfigurable interconnection networks are limited by significant control latency when used in large multiprocessor systems.	
9.	<u>NEURAL AND FUZZY METHODS IN HANDWRITING RECOGNITION</u>	<input type="checkbox"/>
88%	A.MOHAMED, MAGDI; CHIANG, JUNG-HSIEN; GADER, PAUL D.; KELLER, JAMES M.; KRISHNAPURAM, RAGHU • <i>Computer</i> • 02/01/97 • 3 pages (460 words) • <u>SUMMARY</u> Handwriting recognition has challenged computer scientists for years. To succeed, a computing	
10.	<u>Institute Develops Photochromic Organic Compound</u>	<input type="checkbox"/>
88%	<i>COMLINE - Telecommunications</i> • 09/18/96 • 2 pages (310 words) • <u>SUMMARY</u> The Nagoya-based Industrial Research Institute operated by the Aichi Prefectural Government has developed the world's first new organic compound that can preserve and express spiropyran compounds, a typical photochromic material.	

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|------------|---|
| 11.
87% | <u>CONTENT-ADDRESSABLE MEMORY REACHES SAME DENSITY AS SRAM --</u> <input type="checkbox"/>
<u>Chip doubles as</u>
Unknown • <i>ELECTRONIC ENGINEERING TIMES</i> • 05/13/91 • 6 pages (1600 words) • <u>SUMMARY</u>
By CHAPPELL |
| 12.
87% | <u>Excalibur advances retrieval</u> <input type="checkbox"/>
Karen Rodriguez • <i>COMMUNICATIONS WEEK</i> • 11/06/95 • 4 pages (760 words) • <u>SUMMARY</u>
Before long, graphics and video and audio clips will clutter Web servers, becoming as numerous and unwieldy as HyperText Markup Language documents. |
| 13.
87% | <u>Matsushita Electronic Components Adapts Semiconductor Chip Line Methods to</u> <input type="checkbox"/>
<u>Multichip Production</u>
<i>COMLINE - Telecommunications</i> • 10/23/97 • 2 pages (200 words) • <u>SUMMARY</u>
Matsushita Electronic Components has developed new printing technologies for use in films laid on the substrate for semiconductor chips. |
| 14.
87% | <u>PATTERN-MATCHING IN SEARCH PROBLEM SOLVING</u> <input type="checkbox"/>
STANOJEVIC, MLADEN; VELASEVIC, DUSAN; VRANES, SANJA • <i>Proceedings of the 29th Hawaii International Conference on System</i> • 01/01/96 • 2 pages (260 words) • <u>SUMMARY</u>
Search problems generally fall into the class of NP-hard problems. Many real problems including |
| 15.
87% | <u>Breathing New Life Into Old Apps -- GUI Sys puts a pretty face</u> <input type="checkbox"/>
Eric Hughey • <i>INFORMATION WEEK</i> • 10/02/95 • 7 pages (2000 words) • <u>SUMMARY</u>
Here's a question posed by thousands of technology |
| 16.
87% | <u>INSTRUCTION-SET MATCHING AND GA-BASED SELECTION FOR</u> <input type="checkbox"/>
<u>EMBEDDED- PROCESSOR CODE GENERATION</u>
BANERJI, D.K.; SHU, J.; WILSON, T.C. • <i>Proceedings of the Ninth International Conference on VLSI Design</i> • 01/01/96 • 2 pages (200 words) • <u>SUMMARY</u>
The core tasks of retargetable code generation are instruction-set matching and selection for a given application program and a DSP/ASIP processor. |
| 17.
86% | <u>BRAINTECH ILLUMINATES PATTERN RECOGNITION</u> <input type="checkbox"/>
<i>Manufacturing Automation</i> • 04/01/97 • 5 pages (1300 words) • <u>SUMMARY</u>
Founded in 1993, BrainTech, Inc. (North Vancouver, BC, Canada, 604-986-6121) (NASDAQ OTC: BNTI) |
| 18.
86% | <u>Nokia Corporation - Contract Awarded</u> <input type="checkbox"/>
<i>AFX - Regulatory News Service</i> • 04/20/98 • 3 pages (510 words) • <u>SUMMARY</u>
Nokia Corporation 20th April |
| 19.
86% | <u>SMART OPTICAL RAM FOR NASA IDEAL FOR IMAGE DATABASES</u> <input type="checkbox"/>
<i>Technology Transfer Week</i> • 02/27/96 • 3 pages (550 words) • <u>SUMMARY</u>
A smart optical random-access memory (RAM) under development at the University of South Alabama, Mobile, for NASA's Advanced Concepts Research Project (ACRP), offers not only high-capacity data storage and fast random data access, but also is useful for pattern classification and optical-computer interconnections. |
| 20.
86% | <u>NTT Transmits Optical Patterns Over Single Fiber</u> <input type="checkbox"/>
<i>COMLINE - Telecommunications</i> • 06/10/92 • 2 pages (150 words) • <u>SUMMARY</u>
NTT Corp. (9432) has successfully transmitted optical patterns directly through a single optical |
| 21.
86% | <u>A METHOD FOR IMPROVING STRING PATTERN MATCHING MACHINES</u> <input type="checkbox"/>
Aoe, Junichi Shimada, Ryosaku Yamamoto, Yoneo • <i>IEEE Transactions on Software Engineering</i> • 1/01/84 • 2 pages (140 words) • <u>SUMMARY</u>
This correspondence describes an efficient string pattern matching machine to locate all occurrences of any of a finite number of keywords and phrases in an arbitrary text string. |
| 22.
86% | <u>Breathing New Life Into Old Apps -- GUI Sys puts a pretty face on AS/400 and</u> <input type="checkbox"/>
<u>mainframe applications-without rewrites</u>
Eric Hughey • <i>Information Week</i> • 09/26/95 • 7 pages (2000 words) • <u>SUMMARY</u>
Here's a question posed by thousands of technology managers: In a world hungry for the ease and simplicity of graphical user interfaces, what can you do with the rich, stable suite of applications you've been using successfully for years-whose fatal flaw is a character-based user interface? |
| 23.
86% | <u>Teach your computer to read! -- Optical character recognition software converts</u> <input type="checkbox"/>
<u>documents to editable text</u>
Gable, Michael • <i>PC Today</i> • 07/01/93 • 2 pages (210 words) • <u>SUMMARY</u>
Discusses optical character recognition (OCR) which converts document images into text that can be manipulated on a computer. |

24. **INSIDE PARALLEL COMPUTERS: TRENDS IN INTERCONNECTION NETWORKS** ☐
 86% SIEGEL, HOWARD JAY; STUNKEL, CRAIG B. • *IEEE Computational Science & Engineering* • 10/01/96 • 2 pages (330 words) • SUMMARY
 Computational scientists who depend on parallel computing to let them run larger models in less time will be disappointed unless the processors can pass information back and forth quickly.
25. **Pattern recognition: a hard nut to crack** ☐
 86% R. Colin Johnson • *OEM Magazine* • 07/24/96 • 2 pages (260 words) • SUMMARY
 Pattern recognition is a hard nut to crack for two reasons: the mechanics of matching incoming sensory data against stored templates and the creation of the templates in the first place.
26. **COMPAQ: Compaq unveils powerful notebooks with 266-MHz Pentium Processors, including new Armada 4200** ☐
 86% *M2 Presswire* • 01/13/98 • 9 pages (2360 words) • SUMMARY
 Proving that one size does not fit all when it comes to high performance portable computing, Compaq Computer Corporation (NYSE: CPQ) today introduced not only a variety of new products based on the powerful Intel 266-MHz Pentium processor with MMX technology, but a newly redesigned Armada 4200 family - featuring two of the world's first ACPI-compliant portables with improved power management - and new service and support options.
27. **Remote Management: National Semiconductor Makes Remote Management of the Networked PC Easier and Cheaper** ☐
 86% *EDGE: Work-Group Computing Report* • 03/30/98 • 5 pages (1200 words) • SUMMARY
 National Semiconductor Corporation Monday unveiled a highly integrated remote management controller chip for servers and personal computers that dramatically improves IT managers' ability to remotely manage and fix networked PC problems while slashing costs associated with doing so.
28. **PATTERN-MATCHING PROCESSOR COULD SPEED NET ROUTING. (STARTUP NEOCORE DEVELOPS NEW TECHNOLOGY) (COMPANY BUSINESS AND MARKETING)** ☐
 85% WIRBEL, LORING • *Electronic Engineering Times* • 11/10/97 • 2 pages (200 words) • SUMMARY
 Startup NeoCore, formed by a group of experts in mathematics and parallel processing, has developed a new pattern-matching processor it claims could greatly accelerate recognition tasks in such applications as data mining, network routing and pattern recognition.
29. **PATTERN MATCHING AND PATTERN-DIRECTED INVOCATION IN SYSTEMS PROGRAMMING LANGUAGES** ☐
 85% Kornman, Brent D. • *Journal of Systems and Software* • 3/01/83 • 2 pages (190 words) • SUMMARY
 Pattern recognition systems in the artificial intelligence field have been based on the assumption that components of the system should be invoked not by directly calling them, but by running data across their sensors and having the invocation take place when a defined pattern is found.
30. **COMPAQ: Compaq unveils powerful notebooks with 266-MHz Pentium processors, including new Armada 4200** ☐
 85% *M2 Presswire* • 01/16/98 • 9 pages (2260 words) • SUMMARY
 Proving that one size does not fit all when it comes to high performance portable computing, Compaq Computer Corporation (NYSE: CPQ) today introduced not only a variety of new products based on the powerful Intel 266-MHz Pentium processor with MMX technology, but a newly redesigned Armada 4200 family - featuring two of the world's first ACPI-compliant portables with improved power management - and new service and support options.
31. **Determining patterns is a non-determinant task** ☐
 85% Unknown • *ELECTRONIC ENGINEERING TIMES* • 03/29/93 • 5 pages (1000 words) • SUMMARY
 By Robert
32. **The Complexity of Parallel Computations** ☐
 85% Wyllie, James C. • *NCSTRL* • 08/01/79 • 2 pages (380 words) • SUMMARY
 Recent advances in microelectronics have brought closer to feasibility the construction of computers containing thousands (or more) of processing elements.
33. **BTR PLC - Acquisition** ☐
 85% *AFX - Regulatory News Service* • 10/16/97 • 4 pages (750 words) • SUMMARY
 Btr Plc 16th October

34. **NTT Develops High-precision Character-recognition System** ☐
 85% *COMLINE - Telecommunications* • 09/24/97 • 2 pages (150 words) • SUMMARY
 NTT (9432) has come up with a high-precision computer character-recognition system that utilizes easily-linked patterns of speech to automatically correct one-half to two-thirds of the characters that existing recognition devices fail to decipher.
35. **Determining mental state from EEG signals using parallel implementations of neural networks** ☐
 84% Anderson, Charles W.;Devulapalli, Saikumar V.;Stolz, Erik A. • *SCI PROGRAM* • 01/01/95 • 2 pages (220 words) • SUMMARY
 EEG analysis has played a key role in the modeling of the brain's cortical dynamics, but relatively little effort has been devoted to developing EEG as a limited means of communication.
36. **A SIMPLE TREE PATTERN MATCHING ALGORITHM FOR CODE GENERATOR** ☐
 84% CHEN, TZER-SHYONG; LAI, FEIPEI; SHANG, RUNG-JI • *Proceedings of the 19th Annual International Computer Software and* • 01/01/95 • 2 pages (160 words) • SUMMARY
 This paper describes a simple tree pattern matching algorithm for the code generator of compilers.
37. **AN EFFICIENT TEST METHOD FOR EMBEDDED MULTI-PORT RAM WITH BIST CIRCUITRY** ☐
 84% MATSUMURA, TSUNEO • *Proceedings of the IEEE International Workshop on Memory Technology* • 01/01/95 • 2 pages (190 words) • SUMMARY
 The read/write disturb test is as indispensable for multi-port RAM testing as the functional memory test.
38. **FOCUS: Saltus, SER shares up sharply on first day; Saltus gains exaggerated** ☐
 84% COLIN FERNANDEZ • *AFX-EUROPE* • 07/15/97 • 3 pages (720 words) • SUMMARY
 FRANKFURT (AFX) - Shares in automatic screwdriving tools maker Saltus Technology AG made steep gains following its listing on Germany's Neuer Markt yesterday, but some analysts are not optimistic about its future prospects.
39. **Melco Develops Layout-Mask Verification System** ☐
 84% *COMLINE - Electronics* • 12/22/93 • 1 page (100 words) • SUMMARY
 Mitsubishi Electric Corp. (6503) (Melco) has developed an automatic verification system that
40. **Mitsubishi Electric Tests Unloading Robot** ☐
 84% *COMLINE - Tokyo Financial Wire* • 02/21/97 • 2 pages (160 words) • SUMMARY
 Mitsubishi Electric (6503) has test-operated a robot for unloading cargo. The technology has
41. **Black-hole magic** ☐
 84% R. Colin Johnson • *OEM Magazine* • 02/28/95 • 3 pages (670 words) • SUMMARY
 Albert Einstein's pioneering work in theoretical physics is still rippling out in its implications, most recently by spinning out new pattern-recognition technologies that vie with neural networks.
42. **COMMON PROPERTIES OF SOME MULTIATTRIBUTE FILE SYSTEMS** ☐
 84% Du, H.C. Lee, R.C.T. Lin, W.C. • *IEEE Transactions on Software Engineering* • 3/01/79 • 2 pages (170 words) • SUMMARY
 This paper results from an attempt to unify several different file system design theories. The
43. **NASA'S SMART RAM LIKELY TO AID DATABASE STORAGE APPLICATIONS** ☐
 84% *Optical Memory News* • 03/12/96 • 3 pages (480 words) • SUMMARY
 A smart optical random-access memory (RAM) under development at the University of South Alabama at Mobile, for NASA's Advanced Concepts Research Project (ACRP), promises higher- capacity data storage and faster random data access.
44. **AN FPGA-BASED POINT PATTERN MATCHING PROCESSOR WITH APPLICATION TO FINGERPRINT MATCHING** ☐
 84% JAIN, ANIL K.; RATHA, NALINI K.; ROVER, DIANE T. • *Proceedings of the 1995 Computer Architectures for Machine Perception (CAMP '95)* • 01/01/95 • 2 pages (180 words) • SUMMARY
 We describe the design and synthesis of a high-performance coprocessor for point pattern matching with application to fingerprint matching using Splash 2 - an attached processor for SUN SPARCstation hosts.
45. **Position independent pattern matching by neural network** ☐
 84% Hirai, Y. ; Tsukui, Y. • *IEEE Transactions on Systems, Man and Cybernetics* • 07/01/90 • 2 pages (210 words) • SUMMARY
 A novel pattern-matching neural network is proposed. The network matches an input to multiple

46. **Cadic Develops Method for 1-Day Mold Production** ☐
84% *COMLINE - Automobiles and Transportation* • 11/28/96 • 2 pages (160 words) • SUMMARY
Cadic, a venture company that engages in the development of precision forming technology, together with Toyota Motors (7203), has developed a manufacturing method that can make in molds in one day from laser-manufactured patterns for casting engine parts.
47. **PATTERN MATCHING FOR DESIGN CONCEPT LOCALIZATION** ☐
83% DEMORI, R.; GALLER, M.; KONGOIANNIS, K. • *Proceedings of the Second Working Conference on Reverse Engineering* • 01/01/95 • 2 pages (240 words) • SUMMARY
The effective synergy of a number of different techniques is the key to the successful development of an efficient Reverse Engineering environment.
48. **Kao Develops Polymer Identification System** ☐
83% *COMLINE - Chemicals & Materials* • 12/04/91 • 2 pages (190 words) • SUMMARY
Kao Corp. (4452) has developed a simple method of identifying the functional polymer components
49. **A consideration on misclassification of face-patterns by neural networks** ☐
83% Takahashi, K. • *Journal of the Institute of Image Electronics Engineers of Japan* • 06/01/97 • 2 pages (220 words) • SUMMARY
Layered neural networks which employ the back-propagation method for learning have been widely applied to pattern recognition, and their effectiveness has been shown.
50. **EXTENDING REGULAR EXPRESSIONS WITH CONTEXT OPERATORS AND PARSE EXTRACTION** ☐
83% Kearns, Steven M. • *SOFTWARE PRACTICE & EXPERIENCE* • 8/01/91 • 2 pages (220 words) • SUMMARY
Regular expressions are used in many applications to specify patterns because any regular expression can be compiled into a very efficient one-pass pattern matcher called a finite automaton.
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Just as the success of the personal computer arose from its chameleon-like ability to execute
52. **Recall time in sparsely encoded Hopfield-like associative memory** ☐
83% Frolov, A.A. ; Husek, D. • *1998 IEEE International Joint Conference on Neural Networks Proceedings. IEEE World Congress on Computational Intelligence (Cat. No.98CH36227)* • 01/01/98 • 2 pages (210 words) • SUMMARY
Recall time in sparsely encoded Hopfield-like associative memory under parallel dynamics is investigated on the basis of computer simulation.
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83% *COMLINE - Chemicals & Materials* • 08/08/96 • 4 pages (970 words) • SUMMARY
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The following topics were dealt with: quality of service; MPEG video performance and broadband


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 SANTA CLARA, Calif.--(BUSINESS WIRE)--March 30, 1998--Quality Semiconductor, Inc. (QSI)
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 The efficiencies of neural network and traditional pattern matching approaches for pattern recognition are compared.
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 The authors discuss string-matching and dynamic time-warp pattern-matching. The string-matching
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 For maintainers involved in understanding and reengineering large software, locating source code fragments that match certain patterns is a critical task.
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 Bangor, Wales - Theoretical work by a team at the University of Wales proposes that computation, learning and even cognition itself can all be fruitfully viewed as data compression.
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 Neural networks have been successfully applied to various pattern classification problems owing to their learning ability, high discrimination power, and excellent generalization ability.
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 Microsoft's new OnNow standard, consisting of seven device-class specifications and three new bus power-management specifications, lets hardware OEMs readily develop PCs and peripherals that can go into a power-down mode and 'wake up' instantly as needed.
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 Nokia Corporation 7th April
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 Cellular, personal communication services and paging service providers are facing a battalion of new competitors and are losing up to 30% of their customers annually.
81. **On accelerating pattern matching for technology mapping** ☐
 82% Matsunaga, Y. • *1998 IEEE/ACM International Conference on Computer-Aided Design. Digest of Technical Papers (IEEE Cat. No.98CB36287)* • 01/01/98 • 2 pages (190 words) • [SUMMARY](#)
 The pattern matching algorithm is simple and fast compared to other such matching algorithms such as Boolean matching.

82. **ESP3: A LANGUAGE FOR PATTERN DESCRIPTION AND A SYSTEM FOR PATTERN RECOGNITION** ☐
 82% Baron, Robert J. Shapiro, Linda G. • *IEEE Transactions on Software Engineering* • 3/01/77 • 2 pages (120 words) • SUMMARY
 Extended Snobol picture pattern processor (ESP3) is a programming language and pattern recognition system which was designed for generating, recognizing, and manipulating two-dimensional line drawings.
83. **REFINED DESIGN MAY MAKE DEVICES EASIER TO MANUFACTURE --** ☐
 82% **Inventor gives**
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 Lucent Technologies today announced the industry's highest capacity, multiservice access concentrator for network operators, including public carriers, Internet Service Providers, and large corporations.
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 Driven by, the need to increase access to information at divisional and sector levels, Cambridgeshire Constabulary has quadrupled the bandwidth on its internal network with a bespoke telecoms network developed by NTL.
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 In this paper we investigate activity-driven clock trees to reduce the dynamic power consumption of synchronous digital CMOS circuits.
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 Fanuc (6945) has started shipments of "FactoLink," which is a network system that uses computer numerical control (CNC) equipment as the terminal for the host computer.
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 Hitachi, Ltd. (6501) has developed a method to optimize neuro- networks. The optimized networks
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 81% Lee, K.C. • *IEEE Transactions on Parallel and Distributed Systems* • 2/01/93 • 2 pages (210 words) • SUMMARY
 To support parallel processing of data intensive applications, the interconnection network of a parallel/distributed machine must provide high end-to-end communication band width and handle the bursty and concentrated communication patterns generated by dynamic load balancing and data collection operations.
90. **PCs take a stand on power management** ☐
 81% Gary Solomon, Senior Staff Engineer, Platform Architecture Lab, Randy Scott, Platform Architecture Manager Mobile and Handheld, Products Group, Intel Corp., Hillsboro, Ore. • *Electronic Engineering Times* • 05/19/97 • 6 pages (1500 words) • SUMMARY
 The hybridization of consumer electronics and PCs is driving new usage models such as Intel Corp.'s PC Theater.
91. **Stock price pattern matching system-dynamic programming neural networks approach** ☐
 81% Tanigawa, T. ; Kamijo, K. • *IJCNN International Joint Conference on Neural Networks (Cat. No.92CH3114-6)* • 01/01/92 • 2 pages (210 words) • SUMMARY
 The dynamic programming neural network (DNN). DNN is based on the integration of the neural and
92. **Infrastructure for management. (fully enabled management) (Technology Information)** ☐
 81% Steinke, Steve • *Network* • 10/01/97 • 13 pages (3900 words) • SUMMARY
 If managing your PC systems is like herding cats, some new hardware and software foundations might provide the right lasso for the roundup.
93. **Siemens wins 1 bln dm order to modernise Greek telecoms network** ☐
 81% *AFX-EUROPE* • 12/19/97 • 2 pages (160 words) • SUMMARY
 MUNICH (AFX) - Siemens AG said its public communications networks division has secured an order worth 1 bln dm from Greece's state-owned telecom operator OTE to modernize the country's phone network.

94.	TENCON '89. Fourth IEEE Region 10 International Conference. 'Information Technologies for the 90's' E/sup 2/C/sup 2/; Energy, Electronics, Computers, Communications (Cat. No.A89CH2766-4)	<input type="checkbox"/>
81%	<i>Not Provided</i> • 01/01/89 • 2 pages (230 words) • SUMMARY The following topics are dealt with: ISDN protocols and packet switching; TDX-10 digital switching	
95.	Performance analysis and design guidelines of a mobitex modem at 8 kb/s	<input type="checkbox"/>
81%	El-Tanany, M. ; Morner, T.E. ; Stern, H.P. • <i>Vehicular Technology Society 42nd VTS Conference. Frontiers of Technology. From Pioneers to the 21st Century (Cat. No.92CH3159-1)</i> • 01/01/92 • 2 pages (200 words) • SUMMARY A modem intended to be interfaced to a 450-MHz or 900-MHz half-duplex, frequency-agile transceiver module with supporting microcontroller circuitry is discussed.	
96.	Nearest matched filter classification of spatiotemporal patterns	<input type="checkbox"/>
81%	Hecht-Nielsen, R. • <i>Applied Optics</i> • 05/15/87 • 2 pages (270 words) • SUMMARY Recent advances in massively parallel optical and electronic neural network processing technology have made it plausible to consider the use of matched filter banks containing large numbers of individual filters as pattern classifiers for complex spatiotemporal pattern environments such as speech, sonar, radar, and advanced communications.	
97.	GENERATION, PROCESSING, AND APPLICATION OF PROGRAM TEST PATTERNS	<input type="checkbox"/>
81%	Miller, Edward F., Jr. • <i>AIAA/NASA/IEEE/ACM Computers In Aerospace Conference 1977</i> • 11/01/77 • 2 pages (180 words) • SUMMARY A test pattern for a computer program consists of a concise statement of the specific conditions or the specific input/output relationships that demonstrate the quality of the program element associated with the pattern.	
98.	Solving the near-far problem: exploitation of spatial and spectral diversity in wireless personal communication networks	<input type="checkbox"/>
81%	Agee, B.G. • <i>Virginia Tech's Third Symposium on Wireless Personal Communications Proceedings</i> • 01/01/93 • 2 pages (280 words) • SUMMARY A general approach is presented for overcoming the near-far power management problem in wireless communication networks, by exploiting the spatial or spectral diversity inherent to the communication network.	
99.	RAM MOBILE DATA: New GPS-enabled modem cuts cost of wireless data communication	<input type="checkbox"/>
81%	<i>M2 Presswire</i> • 03/11/98 • 6 pages (1300 words) • SUMMARY RAM Mobile Data today announces the launch of the MiniApp2 application for the low cost Maxon DM200 modem, available for the field service industry.	
100.	Nokia Corporation - Contract Awarded	<input type="checkbox"/>
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